

AMPEX

INTERCHANGE STANDARD TAPE
NUMBERS 7956005-01 AND -02

The Interchange Standard Tape is intended for use with all Ampex video tape recorders employing a helical scan format on one inch tape. This tape was recorded on a laboratory standard machine and provides a means for evaluating the ability of a given machine to interchange tapes, i.e., reproduce tapes recorded on another properly adjusted compatible machine. Interchangeability of recordings among such machines is guaranteed by Ampex. This tape contains a standard 525 line, 30 frames per second monoscope test pattern recorded in LO-Band at normal 100% video level. A single audio track consisting of a 1000 Hz test tone at 100% audio record level is also provided as a convenience. Interchange Tape, P/N 7956005-01, provides a playing time of five minutes and is intended for use in routine checks of interchange characteristics. It may also be used for interchange adjustment, however, P/N 7956005-02 provides a playing time of fifteen minutes and is generally more convenient to use when performing the prescribed adjustments.

Instructions for the evaluation and adjustment of interchange characteristics using these tapes are given in the Ampex Video Service Bulletin No. 0007 or in the Operation and Maintenance Manual for the model being tested and should be followed in detail. When using the Interchange Tape to test a recorder designed for 50 cycle, 625/25, operation,

the frame rate switch must be placed in the 30 frames/sec. position. Certain models are provided with a two position switch on the Servo Board which accomplishes the same function as the Frame Rate switch. This switch should be placed in the 60 Hz position for interchange tests. Interchange specifications for the various models in current use are summarized in the following table.

MODEL	NOISE FREE INTERVAL <i>(Millisecond Good Time)</i>	NOISE INTERVAL <i>(Millisecond Bad Time)</i>
VP4900, VR5000, VR5100, VP5900, VR6000, VR6050, VR6075	8.7	8.0
VR7000, VR7100, VR7300, VR7500, VR7800	9.6	7.1
VP4903, VP5003 VR5103	8.9	8.1
VR7003	9.8	7.2

STORAGE AND HANDLING

In order to preserve the original characteristics of the interchange tape as a standard of performance, it is important that this tape be handled and stored in a careful fashion. As a general rule, the tape should be stored in its original container in a vertical position (standing on one of the $1\frac{3}{4}$ " x $7\frac{1}{2}$ " sides of the box) in an ambient temperature in the range of 60° to 80° F. with a relative humidity in the range of 40% to 60%. If the environmental conditions during use are expected to be significantly different than the storage conditions, the tape should be allowed to stabilize in the operating environment for approximately 24 hours prior to use.

CAUTION

In order to maintain full signal strength of the interchange tape, it is important to demagnetize the tape path before using the interchange tape on a recorder. The tape path must also be thoroughly cleaned before interchange can be properly checked or adjusted.

Use AMPEX Head Cleaner (accessory no. 323) for cleaning all metallic surfaces. However, use denatured or isopropyl alcohol on non-metallic surfaces, such as the rubber-sleeved capstan.

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